

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD060925\
 Data File : PD088821.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Jun 2025 10:30
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 06/10/2025
 Supervised By :mohammad ahmed 06/11/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 09 13:50:17 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
 Quant Title : GC Extractables
 QLast Update : Mon May 19 15:27:28 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	3.555	2.879	50016794	294.4E6	23.116	19.463
28) SA Decachlor...	9.083	8.075	79208753	394.6E6	23.145	21.616
Target Compounds						
2) A alpha-BHC	4.005	3.392	46762713	241.3E6	9.790	10.093
3) MA gamma-BHC...	4.337	3.729	46377773	226.2E6	10.076	10.206
6) B beta-BHC	4.522	4.025	19878074	99607023	11.024	10.225
14) MA Endrin	6.582	5.790	181.4E6	878.2E6	53.122	45.542
16) A 4,4'-DDD	6.711	5.932	1751336	10181150	0.629	0.585
17) MA 4,4'-DDT	7.029	6.185	339.4E6	1668.1E6	108.701	91.972
18) B Endrin al...	6.923	6.258	306967	9071158	0.119m	0.651 #
20) A Methoxychlor	7.501	6.756	418.2E6	1735.6E6	250.327	181.269 #
21) B Endrin ke...	7.636	6.992	1910975	14873371	0.558m	0.769 #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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Operator : AR\AJ
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ALS Vial : 3 Sample Multiplier: 1

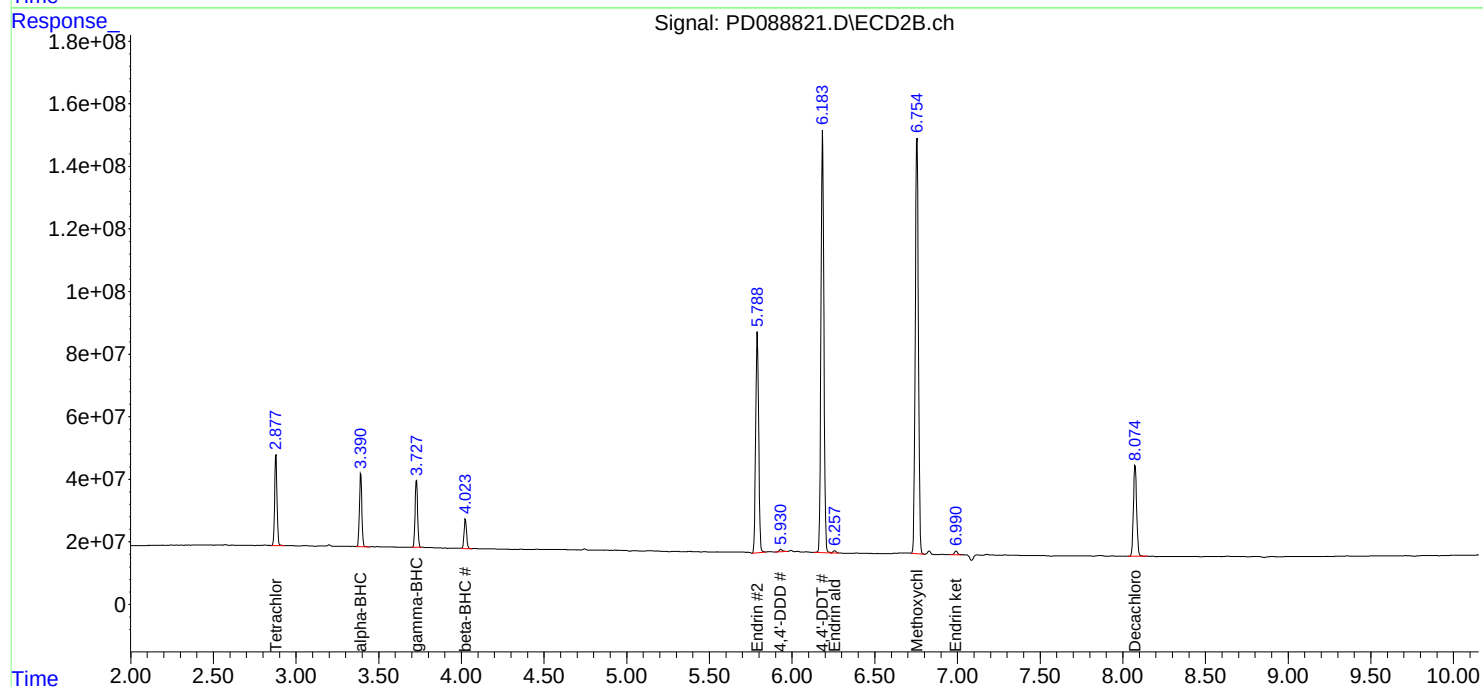
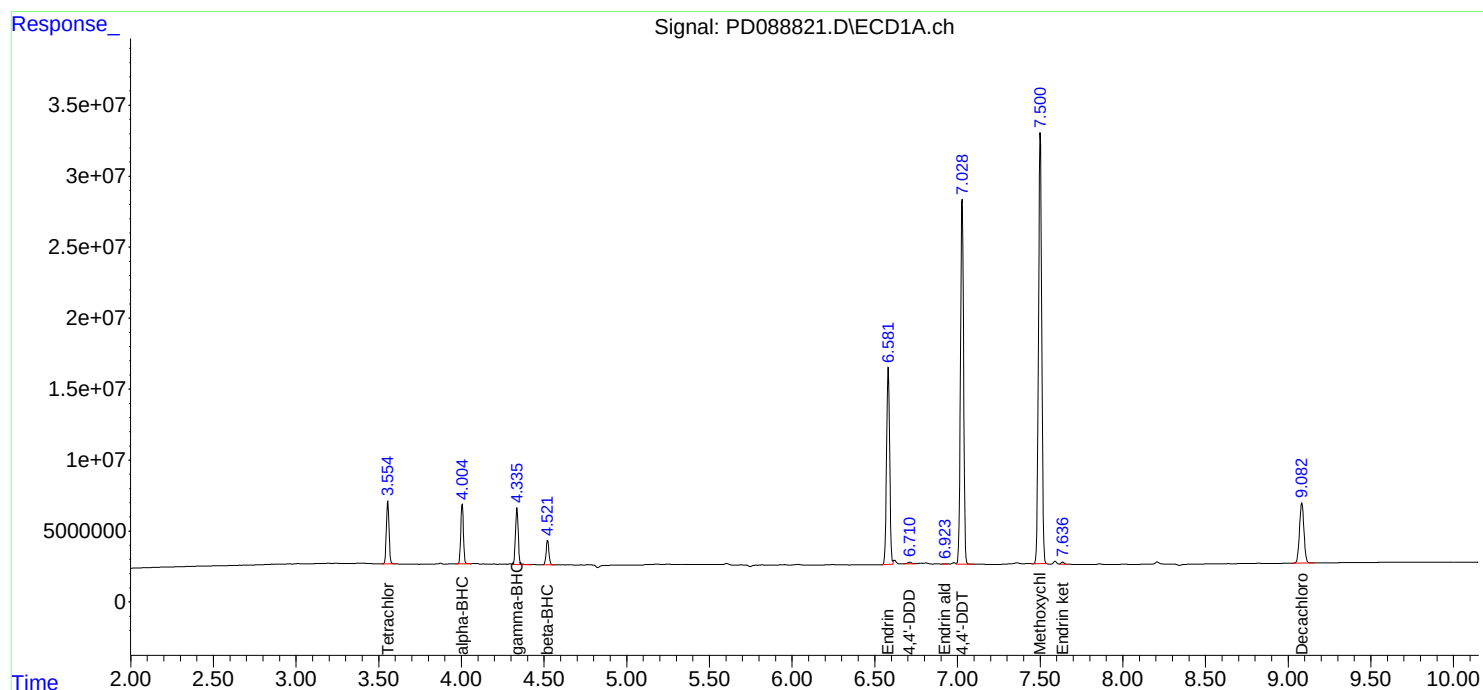
Instrument :
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ClientSampleId :
PEM

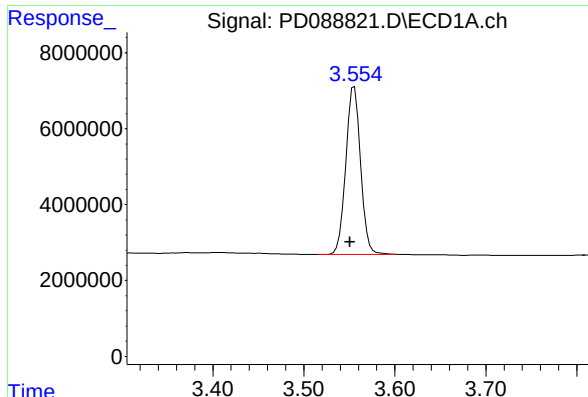
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Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
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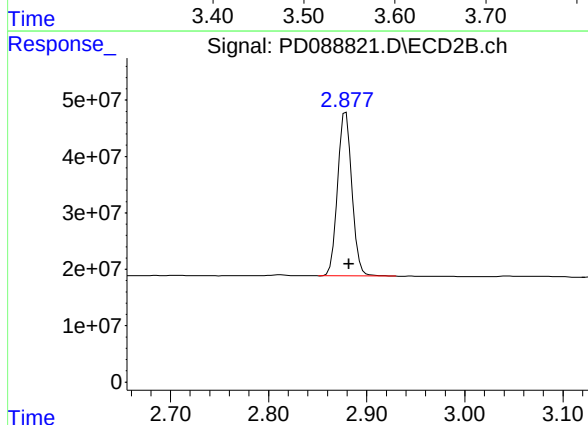
#1 Tetrachloro-m-xylene

R.T.: 3.555 min
Delta R.T.: 0.004 min
Response: 50016794
Conc: 23.12 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

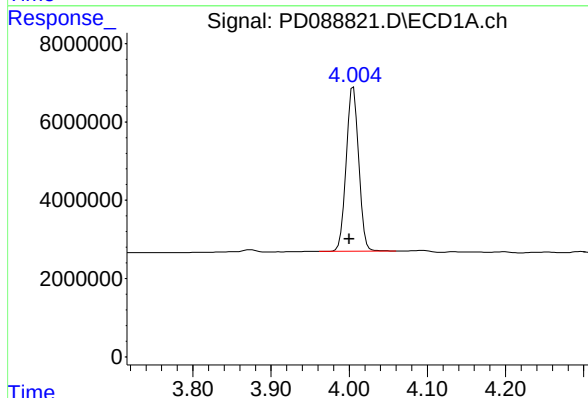
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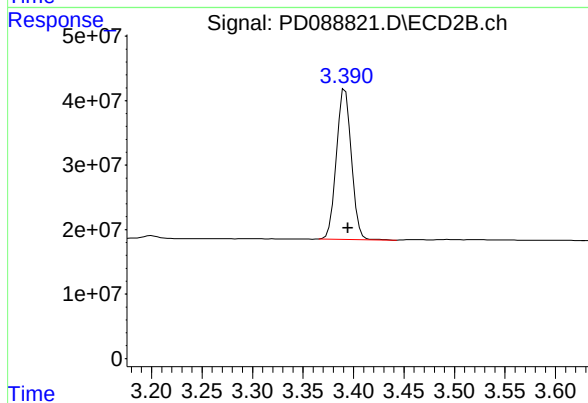
#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: -0.003 min
Response: 294412325
Conc: 19.46 ng/ml



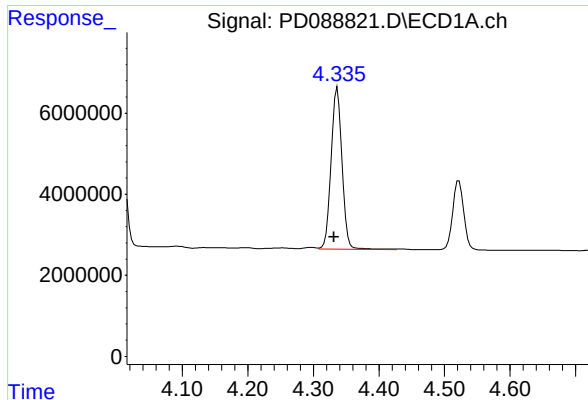
#2 alpha-BHC

R.T.: 4.005 min
Delta R.T.: 0.005 min
Response: 46762713
Conc: 9.79 ng/ml



#2 alpha-BHC

R.T.: 3.392 min
Delta R.T.: -0.003 min
Response: 241260669
Conc: 10.09 ng/ml



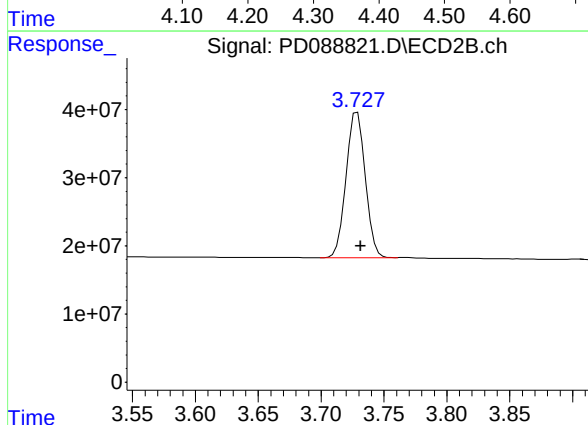
#3 gamma-BHC (Lindane)

R.T.: 4.337 min
Delta R.T.: 0.005 min
Response: 46377773
Conc: 10.08 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

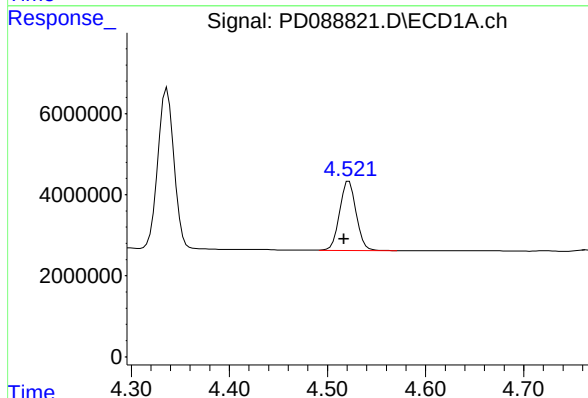
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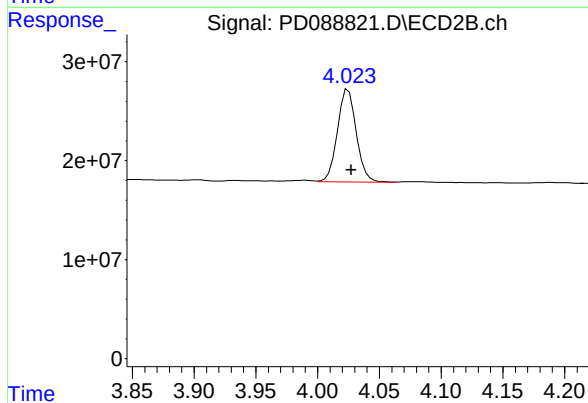
#3 gamma-BHC (Lindane)

R.T.: 3.729 min
Delta R.T.: -0.003 min
Response: 226217688
Conc: 10.21 ng/ml



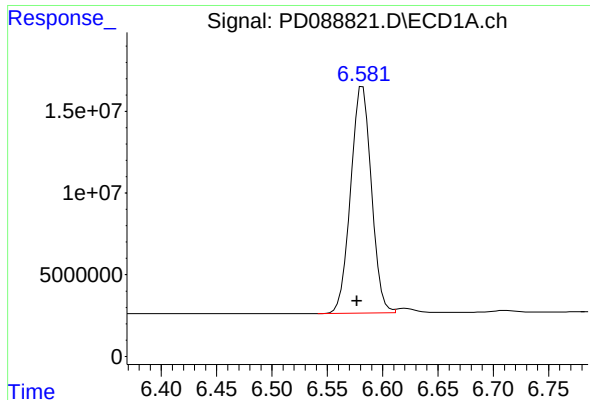
#6 beta-BHC

R.T.: 4.522 min
Delta R.T.: 0.005 min
Response: 19878074
Conc: 11.02 ng/ml



#6 beta-BHC

R.T.: 4.025 min
Delta R.T.: -0.003 min
Response: 99607023
Conc: 10.22 ng/ml



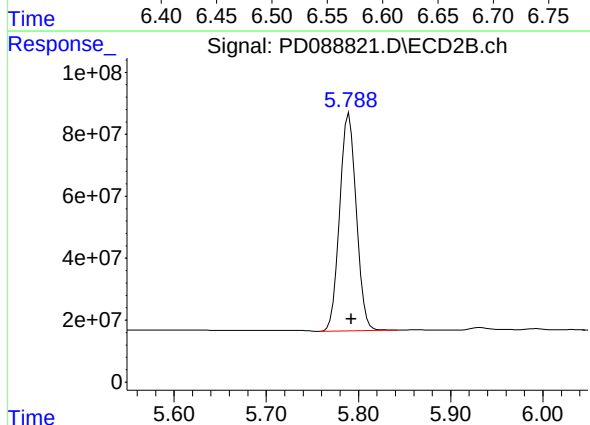
#14 Endrin

R.T.: 6.582 min
Delta R.T.: 0.005 min
Response: 181420637
Conc: 53.12 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

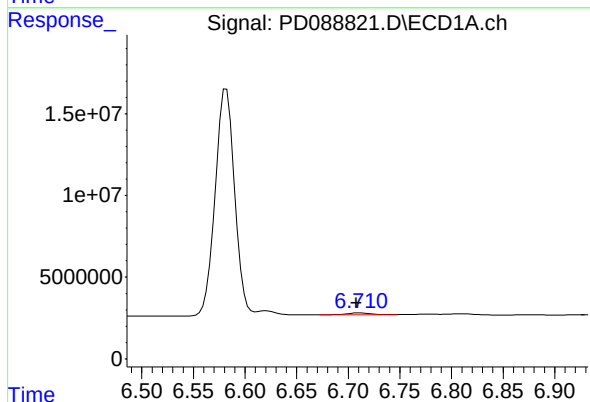
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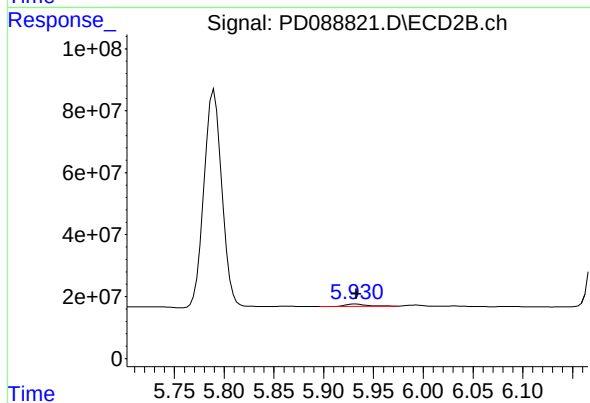
#14 Endrin

R.T.: 5.790 min
Delta R.T.: -0.002 min
Response: 878232975
Conc: 45.54 ng/ml



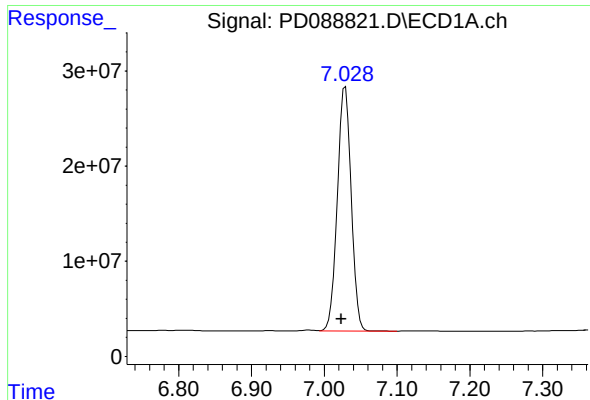
#16 4,4'-DDD

R.T.: 6.711 min
Delta R.T.: 0.004 min
Response: 1751336
Conc: 0.63 ng/ml



#16 4,4'-DDD

R.T.: 5.932 min
Delta R.T.: 0.000 min
Response: 10181150
Conc: 0.59 ng/ml



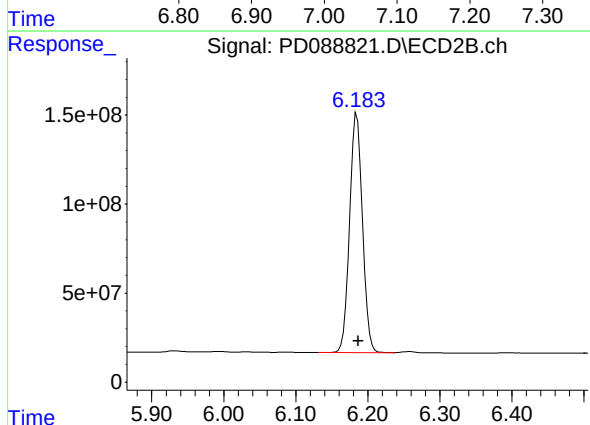
#17 4,4'-DDT

R.T.: 7.029 min
Delta R.T.: 0.006 min
Response: 339369552
Conc: 108.70 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

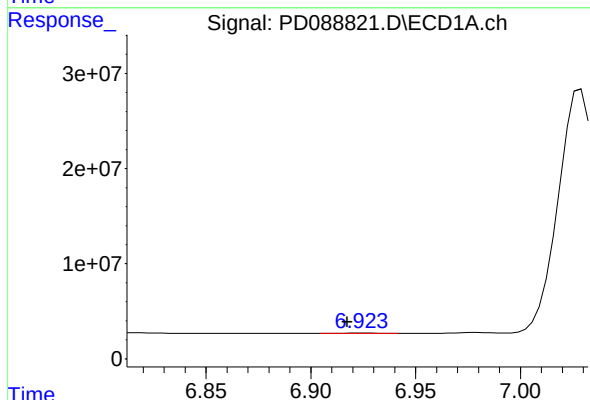
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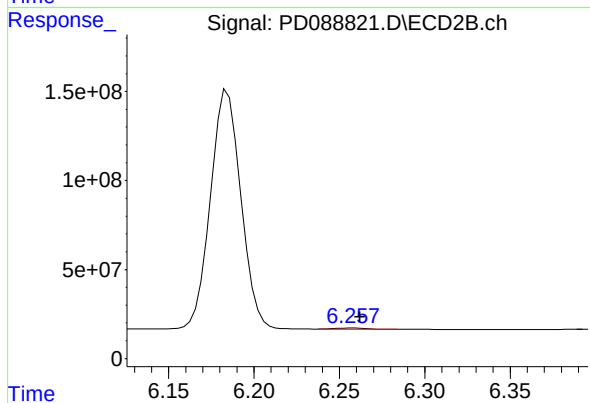
#17 4,4'-DDT

R.T.: 6.185 min
Delta R.T.: -0.002 min
Response: 1668134932
Conc: 91.97 ng/ml



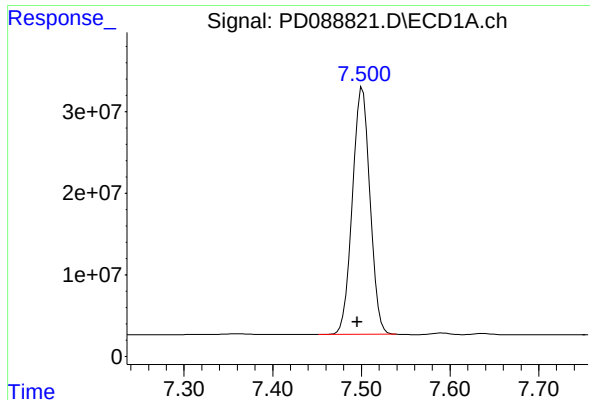
#18 Endrin aldehyde

R.T.: 6.923 min
Delta R.T.: 0.006 min
Response: 306967
Conc: 0.12 ng/ml m



#18 Endrin aldehyde

R.T.: 6.258 min
Delta R.T.: -0.004 min
Response: 9071158
Conc: 0.65 ng/ml



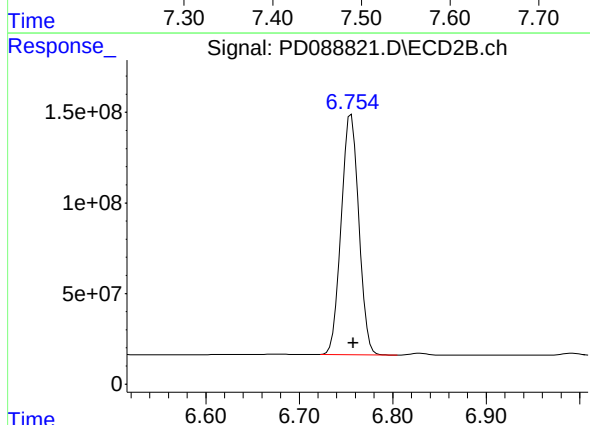
#20 Methoxychlor

R.T.: 7.501 min
Delta R.T.: 0.006 min
Response: 418184303
Conc: 250.33 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

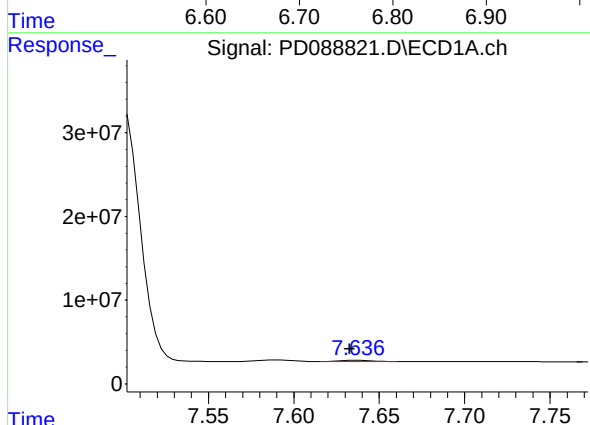
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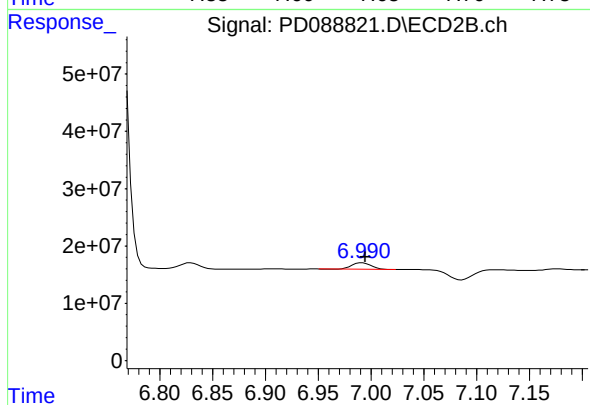
#20 Methoxychlor

R.T.: 6.756 min
Delta R.T.: -0.002 min
Response: 1735613515
Conc: 181.27 ng/ml



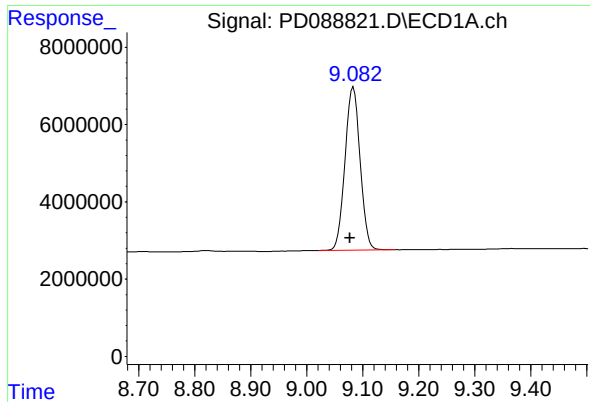
#21 Endrin ketone

R.T.: 7.636 min
Delta R.T.: 0.003 min
Response: 1910975
Conc: 0.56 ng/ml m



#21 Endrin ketone

R.T.: 6.992 min
Delta R.T.: -0.003 min
Response: 14873371
Conc: 0.77 ng/ml



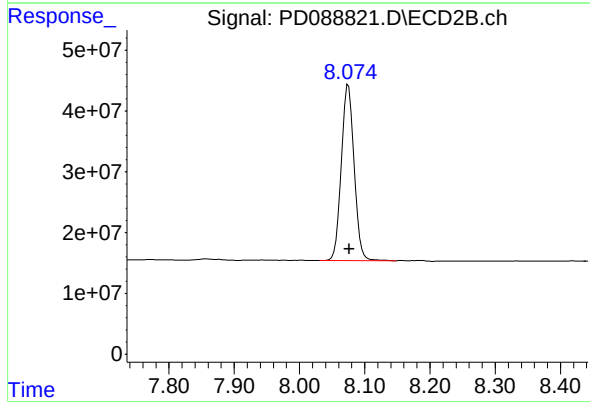
#28 Decachlorobiphenyl

R.T.: 9.083 min
Delta R.T.: 0.006 min
Response: 79208753
Conc: 23.14 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

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#28 Decachlorobiphenyl

R.T.: 8.075 min
Delta R.T.: -0.001 min
Response: 394628475
Conc: 21.62 ng/ml